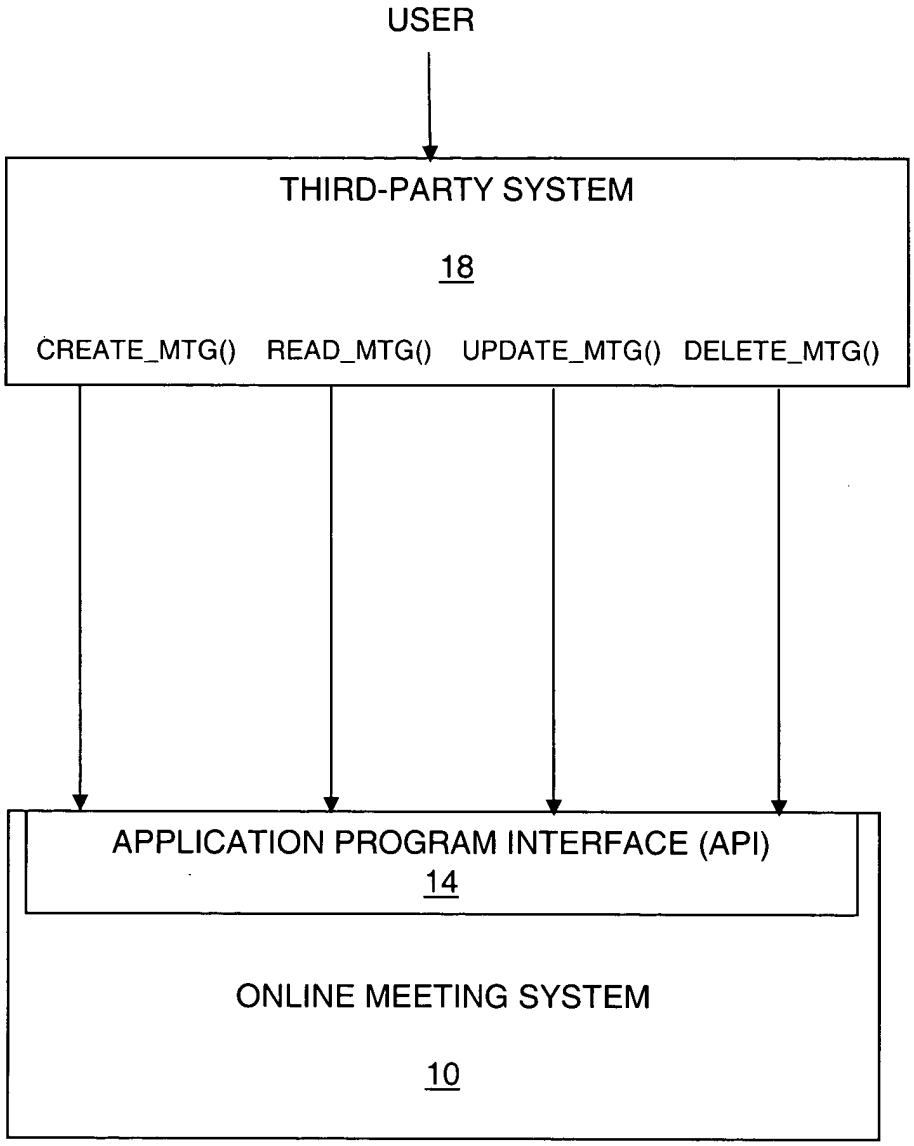

FIG. 1
(PRIOR ART)

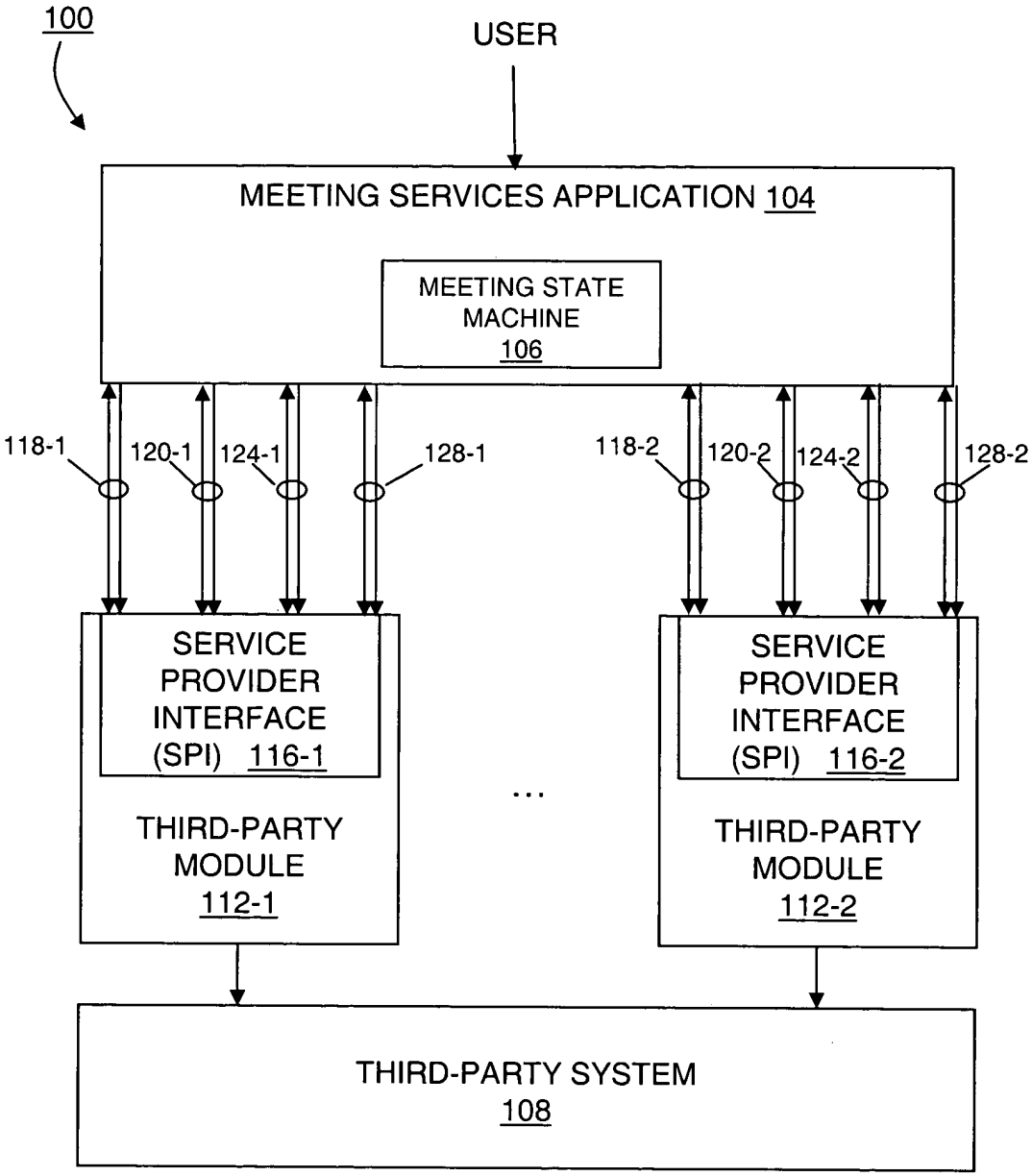
100
USER
MEETING SERVICES APPLICATION 104
MEETING STATE MACHINE 106
118-1
120-1
124-1
128-1
118-2
120-2
124-2
128-2
SERVICE PROVIDER INTERFACE (SPI) 116-1
SERVICE PROVIDER INTERFACE (SPI) 116-2
THIRD-PARTY MODULE 112-1
THIRD-PARTY MODULE 112-2
THIRD-PARTY SYSTEM 108

FIG. 2

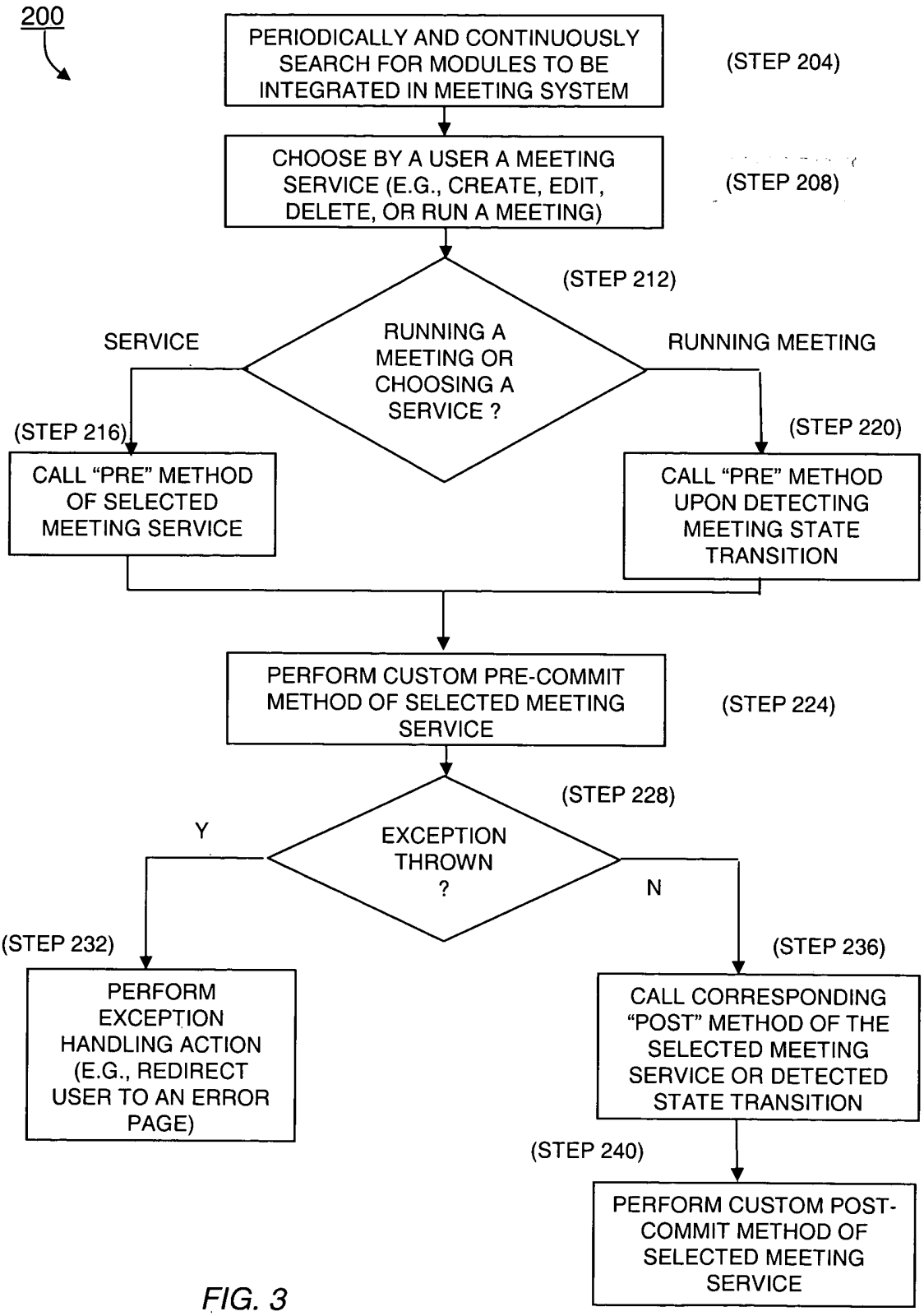
200
PERIODICALLY AND CONTINUOUSLY SEARCH FOR MODULES TO BE INTEGRATED IN MEETING SYSTEM
(STEP 204)
CHOOSE BY A USER A MEETING SERVICE (E.G., CREATE, EDIT, DELETE, OR RUN A MEETING)
(STEP 208)
(STEP 212)
RUNNING A MEETING OR CHOOSING A SERVICE ?
SERVICE
RUNNING MEETING
(STEP 216)
CALL "PRE" METHOD OF SELECTED MEETING SERVICE
(STEP 220)
CALL "PRE" METHOD UPON DETECTING MEETING STATE TRANSITION
PERFORM CUSTOM PRE-COMMIT METHOD OF SELECTED MEETING SERVICE
(STEP 224)
(STEP 228)
EXCEPTION THROWN ?
Y
N
(STEP 232)
PERFORM EXCEPTION HANDLING ACTION (E.G., REDIRECT USER TO AN ERROR PAGE)
(STEP 236)
CALL CORRESPONDING "POST" METHOD OF THE SELECTED MEETING SERVICE OR DETECTED STATE TRANSITION
(STEP 240)
PERFORM CUSTOM POST-COMMIT METHOD OF SELECTED MEETING SERVICE

FIG. 3

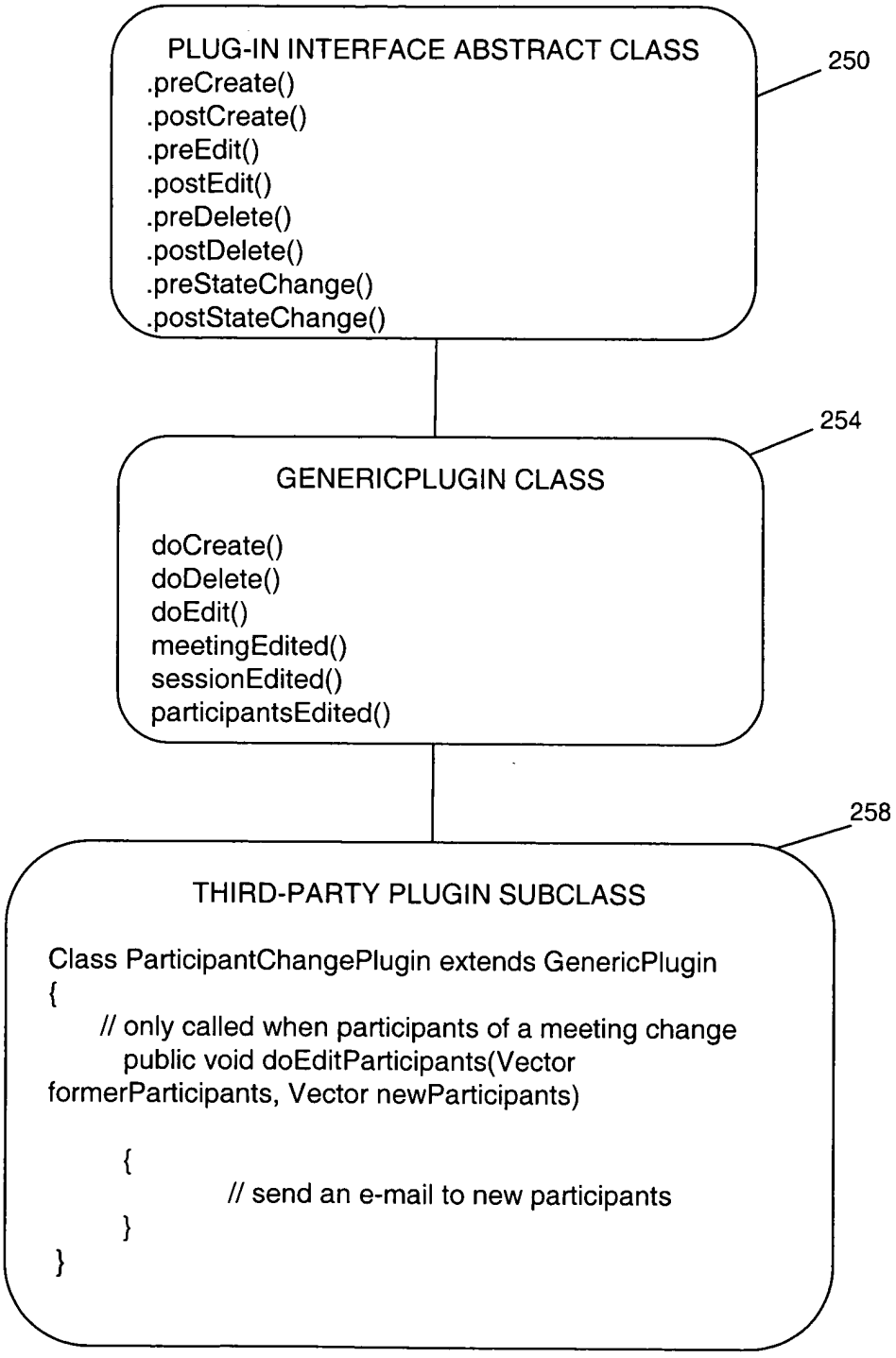
PLUG-IN INTERFACE ABSTRACT CLASS
.preCreate()
.postCreate()
.preEdit()
.postEdit()
.preDelete()
.postDelete()
.preStateChange()
.postStateChange()
250
GENERICPLUGIN CLASS
doCreate()
doDelete()
doEdit()
meetingEdited()
sessionEdited()
participantsEdited()
254
THIRD-PARTY PLUGIN SUBCLASS
Class ParticipantChangePlugin extends GenericPlugin
{
// only called when participants of a meeting change
public void doEditParticipants(Vector formerParticipants, Vector newParticipants)
{
// send an e-mail to new participants
}
}
258

FIG. 4